T2Blue Floor Heating Cable

nVent RAYCHEM T2Blue is an electrical floor heating cable for new build projects where the cable is installed directly in 10-15 mm of screed (T2Blue-10) or in 30-50 mm of screed (T2Blue-20). The cable does exist in 2 power output variants of 10 W/m and 20W/m and available in pre-terminated lengths (11-200 m). The range is composed of installer friendly kits including the cable on a spool and all installation accessories. Variants without thermostat and including the SENZ WIFI touchscreen thermostat are available.

FEATURES

- Easy installation: flexible cable, pre-terminated with power cable
- T2Blue-10 is typically installed in low consturction floors (10-15 mm), directly in screed, in self levelling compound or in uncoupling membrane
- T2Blue-20 is typically installed in high consturction floors (30-50 mm), directly in screed on concrete sub-floors or on insulation boards
- Safe and efficient operation: flexible power output from 60 to 150W/m², closer loops for higher output and wider loops for lower output
- Installer friendly kits with easy to unroll spooling system and all installation accessories included
- Available in kits without thermostat and in EcoDesign compatible kits including the energy efficient and advanced SENZ WIFI touchscreen thermostat that can be controlled through the SENZ WIFI app or through voice control using Alexa or Google Assistant compatible smartspeakers.
- Reliable during long life: 12 to 20 year total care warranty available, no maintenance required

SPECIFICATIONS

Cold Lead Length:	2.5 m
Min Installation Temperature:	5 °C
Outer Diameter:	5.5 mm
Min Cable Spacing:	50 mm
Nominal Voltage:	230 V
Color:	Blue
Ground Path Type:	Braid
Heating Cable Technology:	Constant Wattage
Outer Jacket Material:	Low Smoke Zero Halogen
Spooling System:	Yes

Table 1/2						
Catalog Number	**Item Name**	**Nominal Power Output**	**Power**	**Power Output, Typical**	**Resistance Range**	**Length**
SZ18300401	R-BL-A-25M/SENZ-WIFI	10 W/m	250 W	60 – 125 W/m²	201.9 – 233.8 Ω	25 m
SZ18300402	R-BL-A-30M/SENZ-WIFI	10 W/m	305 W	60 – 125 W/m²	165.3 – 191.4 Ω	30 m
SZ18300403	R-BL-A-40M/SENZ-WIFI	10 W/m	400 W	60 – 125 W/m²	125.4 – 145.2 Ω	40 m
SZ18300404	R-BL-A-50M/SENZ-WIFI	10 W/m	505 W	60 – 125 W/m²	99.8 – 115.5 Ω	50 m
SZ18300405	R-BL-A-60M/SENZ-WIFI	10 W/m	605 W	60 – 125 W/m²	83.2 – 96.4 Ω	60 m
SZ18300406	R-BL-A-70M/SENZ-WIFI	10 W/m	700 W	60 – 125 W/m²	71.8 – 83.2 Ω	70 m
SZ18300407	R-BL-A-80M/SENZ-WIFI	10 W/m	805 W	60 – 125 W/m²	62.3 – 72.2 Ω	80 m
SZ18300408	R-BL-A-90M/SENZ-WIFI	10 W/m	890 W	60 – 125 W/m²	56.4 – 65.3 Ω	90 m
SZ18300409	R-BL-A-101M/SENZ-WIFI	10 W/m	1010 W	60 – 125 W/m²	49.9 – 57.8 Ω	101 m
SZ18300410	R-BL-A-121M/SENZ-WIFI	10 W/m	1215 W	60 – 125 W/m²	41.4 – 47.9 Ω	121 m
SZ18300411	R-BL-A-142M/SENZ-WIFI	10 W/m	1420 W	60 – 125 W/m²	35.1 – 40.6 Ω	142 m
SZ18300412	R-BL-A-160M/SENZ-WIFI	10 W/m	1600 W	60 – 125 W/m²	30.4 – 35.2 Ω	160 m
SZ18300413	R-BL-A-180M/SENZ-WIFI	10 W/m	1800 W	60 – 125 W/m²	27.4 – 31.7 Ω	180 m
SZ18300414	R-BL-A-200M/SENZ-WIFI	10 W/m	2000 W	60 – 125 W/m²	24.7 – 28.6 Ω	200 m
SZ18300415	R-BL-C-11M/SENZ - WIFI	20 W/m	205 W	80 – 150 W/m²	246.6 – 285.6 Ω	11 m
SZ18300416	R-BL-C-14M/SENZ - WIFI	20 W/m	285 W	80 – 150 W/m²	176.9 – 204.8 Ω	14 m

CatalogNumber	Item Name	Nominal Power Output	Power	Power Output, Typical	Resistance Range	Length
SZ18300417	R-BL-C-18M/SENZ - WIFI	20 W/m	355 W	80 – 150 W/m²	145.4 – 168.3 Ω	18 m
SZ18300418	R-BL-C-21M/SENZ - WIFI	20 W/m	435 W	80 – 150 W/m²	115.7 – 134 Ω	21 m
SZ18300419	R-BL-C-28M/SENZ - WIFI	20 W/m	575 W	80 – 150 W/m²	87.8 – 101.6 Ω	28 m
SZ18300420	R-BL-C-35M/SENZ - WIFI	20 W/m	720 W	80 – 150 W/m²	69.8 – 80.9 Ω	35 m
SZ18300421	R-BL-C-43M/SENZ - WIFI	20 W/m	845 W	80 – 150 W/m²	59.6 – 69.1 Ω	43 m
SZ18300422	R-BL-C-50M/SENZ - WIFI	20 W/m	980 W	80 – 150 W/m²	51.3 – 59.4 Ω	50 m
SZ18300423	R-BL-C-57M/SENZ - WIFI	20 W/m	1130 W	80 – 150 W/m²	44.4 – 51.4 Ω	57 m
SZ18300424	R-BL-C-63M/SENZ - WIFI	20 W/m	1270 W	80 – 150 W/m²	39.5 – 45.7 Ω	63 m
SZ18300425	R-BL-C-71M/SENZ - WIFI	20 W/m	1435 W	80 – 150 W/m²	35.1 – 40.6 Ω	71 m
SZ18300426	R-BL-C-86M/SENZ - WIFI	20 W/m	1710 W	80 – 150 W/m²	29.4 – 34.1 Ω	86 m
SZ18300427	R-BL-C-101M/SENZ-WIFI	20 W/m	2015 W	80 – 150 W/m²	24.9 – 28.9 Ω	101 m
SZ18300428	R-BL-C-115M/SENZ-WIFI	20 W/m	2300 W	80 – 150 W/m²	21.9 – 25.3 Ω	115 m
1244-001887	R-BL-A-101M/T0/SD	10 W/m	1010 W	60 – 125 W/m²	49.9 – 57.8 Ω	101 m
1244-001902	R-BL-C-101M/T0/SD	20 W/m	2015 W	80 – 150 W/m²	24.9 – 28.9 Ω	101 m
SZ18300369	R-BL-A-10M/T0/SD	10 W/m	100 W	60 – 125 W/m²	503.5 – 583 Ω	10 m

CatalogNumber	Item Name	Nominal Power Output	Power	Power Output, Typical	Resistance Range	Length
SZ18300370	R-BL-A-15M/T0/SD	10 W/m	150 W	60 – 125 W/m²	336.3 – 389.4 Ω	15 m
SZ18300371	R-BL-A-20M/T0/SD	10 W/m	200 W	60 – 125 W/m²	252.7 – 292.6 Ω	20 m
SZ18300372	R-BL-A-25M/T0/SD	10 W/m	250 W	60 – 125 W/m²	201.9 – 233.8 Ω	25 m
SZ18300373	R-BL-A-30M/T0/SD	10 W/m	305 W	60 – 125 W/m²	165.3 – 191.4 Ω	30 m
SZ18300374	R-BL-A-40M/T0/SD	10 W/m	400 W	60 – 125 W/m²	125.4 – 145.2 Ω	40 m
SZ18300375	R-BL-A-50M/T0/SD	10 W/m	505 W	60 – 125 W/m²	99.8 – 115.5 Ω	50 m
SZ18300376	R-BL-A-60M/T0/SD	10 W/m	605 W	60 – 125 W/m²	83.2 – 96.4 Ω	60 m
SZ18300377	R-BL-A-70M/T0/SD	10 W/m	700 W	60 – 125 W/m²	71.8 – 83.2 Ω	70 m
SZ18300378	R-BL-A-80M/T0/SD	10 W/m	805 W	60 – 125 W/m²	62.3 – 72.2 Ω	80 m
SZ18300379	R-BL-A-90M/T0/SD	10 W/m	890 W	60 – 125 W/m²	56.4 – 65.3 Ω	90 m
SZ18300380	R-BL-A-121M/T0/SD	10 W/m	1215 W	60 – 125 W/m²	41.4 – 47.9 Ω	121 m
SZ18300381	R-BL-A-142M/T0/SD	10 W/m	1420 W	60 – 125 W/m²	35.1 – 40.6 Ω	142 m
SZ18300382	R-BL-A-160M/T0/SD	10 W/m	1600 W	60 – 125 W/m²	30.4 – 35.2 Ω	160 m
SZ18300383	R-BL-A-180M/T0/SD	10 W/m	1800 W	60 – 125 W/m²	27.4 – 31.7 Ω	180 m
SZ18300384	R-BL-A-200M/T0/SD	10 W/m	2000 W	60 – 125 W/m²	24.7 – 28.6 Ω	200 m
SZ18300385	R-BL-C-11M/T0/SD	20 W/m	205 W	80 – 150 W/m²	246.6 – 285.6 Ω	11 m
SZ18300386	R-BL-C-14M/T0/SD	20 W/m	285 W	80 – 150 W/m²	176.9 – 204.8 Ω	14 m
SZ18300387	R-BL-C-18M/T0/SD	20 W/m	355 W	80 – 150 W/m²	145.4 – 168.3 Ω	18 m

CatalogNumber	Item Name	Nominal Power Output	Power	Power Output, Typical	Resistance Range	Length
SZ18300388	R-BL-C-21M/T0/SD	20 W/m	435 W	80 – 150 W/m²	115.7 – 134 Ω	21 m
SZ18300389	R-BL-C-28M/T0/SD	20 W/m	575 W	80 – 150 W/m²	87.8 – 101.6 Ω	28 m
SZ18300390	R-BL-C-35M/T0/SD	20 W/m	720 W	80 – 150 W/m²	69.8 – 80.9 Ω	35 m
SZ18300391	R-BL-C-43M/T0/SD	20 W/m	845 W	80 – 150 W/m²	59.6 – 69.1 Ω	43 m
SZ18300392	R-BL-C-50M/T0/SD	20 W/m	980 W	80 – 150 W/m²	51.3 – 59.4 Ω	50 m
SZ18300393	R-BL-C-57M/T0/SD	20 W/m	1130 W	80 – 150 W/m²	44.4 – 51.4 Ω	57 m
SZ18300394	R-BL-C-63M/T0/SD	20 W/m	1270 W	80 – 150 W/m²	39.5 – 45.7 Ω	63 m
SZ18300395	R-BL-C-71M/T0/SD	20 W/m	1435 W	80 – 150 W/m²	35.1 – 40.6 Ω	71 m
SZ18300396	R-BL-C-86M/T0/SD	20 W/m	1710 W	80 – 150 W/m²	29.4 – 34.1 Ω	86 m
SZ18300397	R-BL-C-115M/T0/SD	20 W/m	2300 W	80 – 150 W/m²	21.9 – 25.3 Ω	115 m
SZ18300398	R-BL-A-10M/SENZ-WIFI	10 W/m	100 W	60 – 125 W/m²	503.5 – 583 Ω	10 m
SZ18300399	R-BL-A-15M/SENZ-WIFI	10 W/m	150 W	60 – 125 W/m²	336.3 – 389.4 Ω	15 m
SZ18300400	R-BL-A-20M/SENZ-WIFI	10 W/m	200 W	60 – 125 W/m²	252.7 – 292.6 Ω	20 m

Table 2/2

Catalog Number	Item Name	Thermostat Included
SZ18300401	R-BL-A-25M/SENZ-WIFI	SENZ-WIFI
SZ18300402	R-BL-A-30M/SENZ-WIFI	SENZ-WIFI
SZ18300403	R-BL-A-40M/SENZ-WIFI	SENZ-WIFI
SZ18300404	R-BL-A-50M/SENZ-WIFI	SENZ-WIFI

Catalog Number	Item Name	Thermostat Included
SZ18300405	R-BL-A-60M/SENZ-WIFI	SENZ-WIFI
SZ18300406	R-BL-A-70M/SENZ-WIFI	SENZ-WIFI
SZ18300407	R-BL-A-80M/SENZ-WIFI	SENZ-WIFI
SZ18300408	R-BL-A-90M/SENZ-WIFI	SENZ-WIFI
SZ18300409	R-BL-A-101M/SENZ-WIFI	SENZ-WIFI
SZ18300410	R-BL-A-121M/SENZ-WIFI	SENZ-WIFI
SZ18300411	R-BL-A-142M/SENZ-WIFI	SENZ-WIFI
SZ18300412	R-BL-A-160M/SENZ-WIFI	SENZ-WIFI
SZ18300413	R-BL-A-180M/SENZ-WIFI	SENZ-WIFI
SZ18300414	R-BL-A-200M/SENZ-WIFI	SENZ-WIFI
SZ18300415	R-BL-C-11M/SENZ -WIFI	SENZ-WIFI
SZ18300416	R-BL-C-14M/SENZ -WIFI	SENZ-WIFI
SZ18300417	R-BL-C-18M/SENZ -WIFI	SENZ-WIFI
SZ18300418	R-BL-C-21M/SENZ -WIFI	SENZ-WIFI
SZ18300419	R-BL-C-28M/SENZ -WIFI	SENZ-WIFI
SZ18300420	R-BL-C-35M/SENZ -WIFI	SENZ-WIFI
SZ18300421	R-BL-C-43M/SENZ -WIFI	SENZ-WIFI
SZ18300422	R-BL-C-50M/SENZ -WIFI	SENZ-WIFI

Catalog Number	Item Name	Thermostat Included
SZ18300423	R-BL-C-57M/SENZ -WIFI	SENZ-WIFI
SZ18300424	R-BL-C-63M/SENZ -WIFI	SENZ-WIFI
SZ18300425	R-BL-C-71M/SENZ -WIFI	SENZ-WIFI
SZ18300426	R-BL-C-86M/SENZ -WIFI	SENZ-WIFI
SZ18300427	R-BL-C-101M/SENZ-WIFI	SENZ-WIFI
SZ18300428	R-BL-C-115M/SENZ-WIFI	SENZ-WIFI
1244-001887	R-BL-A-101M/T0/SD	No
1244-001902	R-BL-C-101M/T0/SD	No
SZ18300369	R-BL-A-10M/T0/SD	No
SZ18300370	R-BL-A-15M/T0/SD	No
SZ18300371	R-BL-A-20M/T0/SD	No
SZ18300372	R-BL-A-25M/T0/SD	No
SZ18300373	R-BL-A-30M/T0/SD	No
SZ18300374	R-BL-A-40M/T0/SD	No
SZ18300375	R-BL-A-50M/T0/SD	No
SZ18300376	R-BL-A-60M/T0/SD	No
SZ18300377	R-BL-A-70M/T0/SD	No
SZ18300378	R-BL-A-80M/T0/SD	No

Catalog Number	Item Name	Thermostat Included
SZ18300379	R-BL-A-90M/T0/SD	No
SZ18300380	R-BL-A-121M/T0/SD	No
SZ18300381	R-BL-A-142M/T0/SD	No
SZ18300382	R-BL-A-160M/T0/SD	No
SZ18300383	R-BL-A-180M/T0/SD	No
SZ18300384	R-BL-A-200M/T0/SD	No
SZ18300385	R-BL-C-11M/T0/SD	No
SZ18300386	R-BL-C-14M/T0/SD	No
SZ18300387	R-BL-C-18M/T0/SD	No
SZ18300388	R-BL-C-21M/T0/SD	No
SZ18300389	R-BL-C-28M/T0/SD	No
SZ18300390	R-BL-C-35M/T0/SD	No
SZ18300391	R-BL-C-43M/T0/SD	No
SZ18300392	R-BL-C-50M/T0/SD	No
SZ18300393	R-BL-C-57M/T0/SD	No
SZ18300394	R-BL-C-63M/T0/SD	No
SZ18300395	R-BL-C-71M/T0/SD	No
SZ18300396	R-BL-C-86M/T0/SD	No

Catalog Number	Item Name	Thermostat Included
SZ18300397	R-BL-C-115M/T0/SD	No
SZ18300398	R-BL-A-10M/SENZ-WIFI	SENZ-WIFI
SZ18300399	R-BL-A-15M/SENZ-WIFI	SENZ-WIFI
SZ18300400	R-BL-A-20M/SENZ-WIFI	SENZ-WIFI

WARNING

nVent products shall be installed and used only as indicated in nVent's product instruction sheets and training materials. Instruction sheets are available at www.nvent.com and from your nVent customer service representative. Improper installation, misuse, misapplication or other failure to completely follow nVent's instructions and warnings may cause product malfunction, property damage, serious bodily injury and death and/or void your warranty.

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